United States Environmental Protection Agency
EPA New England
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July 19, 2005

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D. Mauro, META Environmental, Inc.
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Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

RE: June 2005 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the June 2005 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.
Sincerely,

Dean Tagliaferro

Dean Tagliaferro
1.5 Mile Reach Removal Action Project Manager

1. Overview

During June 2005, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included excavation and backfill activities in Cells 27 and 29. The installation of the centerline sheetpile wall for Cells 31 and 32 and the installation of the sheetpile cutoff wall for Cell 32 were completed. Also, the repair of the energy dissipater from the City outfall downstream of the Elm Street Bridge and the repairs to the Articulate Concrete Blocks (ACB) in Phase 2A were completed. In addition, transfer of TSCA materials from the stockpile management areas to the GE On Plant Consolidation Areas (OPCAs) was performed. Also, transfer of non-TSCA materials from the stockpile management areas to approved off-site facility continued.

2. Chronological description of tasks performed

Refer to Figure 1 (2 maps) for an orientation of the excavation cells and their respective locations.

By the end of May 2005, the installation of the Cell 27 upstream and downstream cutoff walls was initiated. During the first week of June, the installation of the Cell 27 upstream and downstream cutoff walls was completed. Once Cell 27 was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 27 and the excavation activities in Cell 27 were performed. The excavated TSCA material was transported to Area 64A stockpile management area. The non-TSCA material characterized for off-site disposal was transported to Area 64B and the non-TSCA material not characterized for off-site disposal was transported to Area 64C stockpile management areas. (See Table 1 for quantities of material generated in the month of June 2005 and Table 2 for quantities of material generated to date.)

The surveyors monitored the excavation activities in Cell 27 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 27, staking out of the backfill grades was initiated.

The survey contractors continued to delineate and stake out the centerline of the river channel in Cells 29 and 30 and the installation of the centerline sheetpile wall between Cells 29 and 30 continued.

Also during the first week of June, the removal of some of the staging area material from the former staging/support area on Parcel I8-4-201/202 continued. The staging area dense

grade/airport mix material was removed and transported to the road/staging area on Parcels I7-2-1 and I7-2-20 to be used in widening of the access roads. The road fabric material was removed and transported to Area 64E stockpile management area. In addition, the removal of the staging area material from the former staging/support area on Parcel I8-24-1 continued. Some of the material was also transported to the road/staging area on Parcels I7-2-1 and I7-2-20 to be used in widening of the access roads and the rest of the material was stockpiled on the Parcel for future use as road and access area material. Also, restoration activities on a portion of staging/support area on Parcel I8-24-1 were initiated. This area, referred to as the north staging area, is bounded on the west by Harry's Supermarket parking lot, on the south by the access road, and the north/east by the two residential properties located on Root Place (See Figure 1, Map 1). First, an area 20 foot wide by 150 foot long located at the rear of the Harry's Supermarket parking lot was cleared of gravel down to existing pavement. This was in preparation of moving the existing fence 20 feet back to allow for a larger parking lot at Harry's Supermarket. Next, the remainder of the area was regarded and york raked in preparation for topsoil and hydroseeding. The airport mix/dense grade and underlying geotextile were previously removed in this area down to the existing material.

The activities associated with the spring planting in Phases 2B, 2C and Phase 3A were completed. In addition six four-foot hemlock trees, a maple tree and perennials were planted on Parcels I7-21-4 and I7-21-6. Also, a permanent vinyl coated green chain link fence was installed on Parcels I7-21-4 and I7-21-6.

Activities associated with backwashing the WTS filter tanks and cleaning out and removal of the WTS modutank sediment continued. The removed modutank sediment material was transported to the Building 65 stockpile management area.

Other activities during the first week of June included the construction activities associated with building access roads and the staging/support area on Parcels I7-3-1 and I7-99-000. A layer of geotextile filter stone and airport mix dense stone material was used to build the roads and the staging/support area. Also, tree clearing and grubbing activities on Parcels I7-3-1 and I7-99-000 continued. The debris generated during the tree clearing was transferred to GE Newell Street parking lot for future chipping.

During the second week of June, the surveyors completed the staking out of the backfill grades in Cell 27. Once the backfill staked were installed the backfilling activities in Cell 27 were initiated.

The riverbed and riverbank of Cell 27 was backfilled in the following manner: The first 100 feet of the riverbed was backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and an eighteen-inch layer of 12-inch riprap. The last 75 feet of the riverbed will be backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and a fifteen-inch layer of 9-inch riprap. The riverbanks will be backfilled with common fill to the design grade, a nine-inch layer of filter material Type II and a twenty four-inch layer of 18-inch riprap up to elevation 967.5 feet above mean sea level (AMSL).

In areas where the riverbank extends above elevation 967.5 feet AMSL, the riverbank will be backfilled as follows: Common fill will be installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, a minimum six-inch layer of topsoil, herbaceous seed mix and erosion control blankets will be installed.

The surveyors monitored the backfilling activities in Cell 27 to ensure appropriate design backfill grades were achieved. Once the backfilling activities were completed the final restoration verification survey was performed.

Silt fencing was installed along the top of the riverbank of Cell 27. A layer of 12-inch temporary erosion control riprap was placed at the downstream end of Cell 27, at the interface between Cell 27 and future Cell 29 to avoid any potential erosion and both the upstream and the downstream cutoff walls of Cell 27 were removed and Cell 27 was flooded.

The lay out and installation of the centerline sheetpile wall between Cells 29 and 30 was completed and the installation of the centerline sheetpile wall between Cells 31 and 32 was initiated. A waler was installed along the Cell 29/30 centerline sheetpile wall where the sheets were not driven to grade to stabilize the wall. Also, the installation of the Cell 29 upstream cutoff wall was initiated.

The construction activities associated with building access roads and the staging/support area on Parcels I7-3-1 and I7-99-000 continued. Also, a crane pad was built on the upstream end of staging/support area on Parcels I7-2-20. The pad and the staging/support area was built by installing a layer of geotextile and airport mix dense stone material.

Also, during the first week of June, activities associated with completing the restoration of the energy dissipater at the outfall pipes at the Elm Street Bridge were initiated. The bin blocks and steel plates that were previously installed as an erosion control measure were removed. The articulated concrete block (ACB) located on the riverbank upstream of the energy dissipater as well as a portion of the ACB located on the upper riverbank downstream of the energy dissipater was also removed. The area adjacent to the energy dissipater located in the riverbed and part way up the riverbank on the downstream end of the energy dissipater was excavated down approximately one foot. Geotextile was placed at the based of this excavation and up the riverbank. Re-bar was then placed in this area into the sediment. The Polyethylene (PET) cables from the ACB in the riverbed were tied to the re-bar and grout was placed to tie-in the energy dissipater to the ACB. The grout was also extended into the void spaces in the ACB approximately five feet into the riverbed. Lastly, riprap was placed on the riverbank upstream and downstream of the energy dissipater, tying into the dissipater and to the grout.

All material excavated during this activity was transported to the stockpile management area for proper disposal. The area was accessed by adding stop logs to the temporary dam to block the entire river flow. The stop logs were removed at the end of the work day opening up the river channel.

The activities associated with the spring planting continued. The installation of five fifteen-foot arborvitaes on Parcel I9-5-13 was completed. These were replacements for previously planted arborvitaes that did not survive. In addition, the installation of four four-foot spruce trees along

the riverbank on Parcel I8-4-7 was completed. Two ten-foot trees were also planted on the riverbank adjacent to Caledonia Street.

Other activities during the second week of June included the restoration on the former staging/support area on Parcel I8-4-201/202. Additional dense grade/airport mix and the underlying geotextile were removed. 95% of the dense grade/airport mix was removed between the fence located near Deming Street and the river. The remaining 5% of the area was not addressed at this time due to an equipment breakdown. The area where the airport mix/dense grade was removed was regarded, and a majority of the residual rocks/oversized material was removed. This area was then hydroseeded. During the restoration activities, soil material stained with tar-like material was observed along with a deteriorated 5-gallon pail. The tar-like material and the 5-gallon pail were excavated and placed in a lined drum. The drum was transported to the Building 65 stockpile management area for disposal characterization sampling.

Also, restoration activities on the former staging/support area on Parcel I8-24-1 continued. The chain-link fence located at the rear of Harry's Supermarket parking lot was relocated 20 feet to the east to end of the pavement, thus expanding the parking lot. The remainder of the north staging area was graded and approximately three inches of topsoil was spread, and the area was hydroseeded.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe were initiated by performing a test round of decontamination procedures. A detailed description of the decontamination procedures can be found in a memorandum dated June 6, 2005 from Weston to USACE and EPA titled "1.5 Mile Removal Action – Cleaning and sampling of 54-inch diameter HDPE pipe prior to off-site recycling".

In addition, the removal of the silt fencing along Cells 18 and 19 was completed. The repairs to the sidewalk along Deming Street at the former location of the 12-inch dri-prime pump were completed. Also several repairs to the access roads throughout the Lyman Street access area were completed.

During the third week of June, the installation of the Cell 29 upstream and downstream cutoff walls was completed. The surveyors delineated and staked out the TSCA and non-TSCA excavation areas. Once Cell 29 was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 29 and the excavation activities in Cell 29 were initiated. The excavated TSCA material was transported to Area 64A stockpile management areas. The excavated non-TSCA material characterized for off-site disposal was transported to Area 64B north and Building 65 stockpile management areas. The non-TSCA material not characterized for off-site disposal was transported to Area 64D and Area 64B south stockpile management areas.

The surveyors monitored the excavation activities in Cell 29 to ensure appropriate design excavation depths were achieved. Also, work associated with the pre-excavation topographical survey in Phase 3C was initiated.

The removal of the centerline sheetpile wall between Cells 27 and 28 was completed, the 200-ton crane was moved downstream to the crane pad adjacent to Cell 31 and the lay out and installation of the centerline sheetpile wall between Cells 31 and 32 continued.

The activities associated with the spring planting continued. The installation of two trees (willow and cherry) on Parcel I8-4-7 and one silver maple on I8-4-101 were completed. In addition, the installation of six trees (3 blue spruce, 2 sugar maples, and 1 silver maple) on Parcel I7-3-12 was performed.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe were officially started on the sections pipe slated for off-site recycling. Wipe sampling of the decontaminated pipe was also initiated.

Other activities during the third week of June included the construction activities associated with building access roads and the staging/support area on Parcels I7-3-1 and I7-99-000. The access roads were widened by using geotextile and dense grade/airport mix material. Miscellaneous repairs, maintenance and sweeping of the access roads throughout the Lyman Street access area were completed. The road sweepings were transported to Area 64E stockpile management area. Also, erosion control silt fencing was installed between the newly restored area and the access road on Parcel I8-24-1 and pot holes were patched within the parking lot area on Parcel I8-24-1. In addition, repairs of the small washout on Parcel I8-4-6 were completed, topsoil was placed, and the holes left by removing the site security fencing were backfilled.

During the fourth week of June, the excavation activities in Cell 29 were completed. The excavated TSCA material was transported to Area 64A stockpile management areas. The non-TSCA material not characterized for off-site disposal was transported to Building 65 stockpile management area.

The surveyors monitored the excavation activities in Cell 29 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 29, staking out of the backfill grades was completed and backfilling activities were initiated.

First, a backfill access ramp was built on the riverbank of Cell 29. The ramp was built from common fill. The riverbed and riverbank of Cell 29 will be backfilled as follows: The riverbed will be backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and a fifteen-inch layer of 9-inch riprap. The riverbanks will be backfilled with common fill to the design grade, a nine-inch layer of filter material Type II and a twenty four-inch layer of 18-inch riprap up to the top of the riverbank, which is at approximately elevation 967.0 feet to 967.5 feet AMSL.

In areas where the riverbank extends above elevation 967.0 feet and 967.5 feet AMSL, the riverbank will be backfilled as follows: Common fill will be installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. A 175-foot section of Cell 29 riverbank with slopes steeper than 2H:1V requires cellular geoweb for riverbank stability purposes. For the first 215 feet of the riverbank, a minimum of six inches of topsoil, herbaceous seed and erosion control blankets will be installed. For the remainder of the riverbank in this

cell, the topsoil, herbaceous seed and erosion control blankets will not be placed at this time. This is due to requirement for GE to perform subsequent floodplain remedation in the area abutting the riverbank at depths ranging from two to five feet. Since this work will likely impact the riverbank restoration, a decision was made not to install the topsoil, herbaceous seed and erosion control blankets until after GE performs their excavation and backfill activities. Also, prior to backfilling this area, a layer of geotextile will be installed along the face of the excavation in this area to demarcate the limit of excavation.

Also during the fourth week of June, grout was placed at the downstream end of the ACB to minimize the potential for erosion at the ACB and the restored riverbed interface. In addition, three boulders were placed at the end of the ACB to dissipate some of the energy associated with the flow over the ACB. One additional aquatic enhancement boulder was placed on the ACB. Lastly, the riprap underneath the Elm Street Bridge down to the upstream interface with the energy dissipater associated with the outfall pipes located immediately downstream of the Elm Street Bridge was regarded to create a smooth transition between the riprap and energy dissipater. The area was accessed by adding stop logs to the temporary dam to block the entire river flow. The stop logs were removed at the end of the work day opening up the river channel. This completes all restoration activities associated with the energy dissipater and the ACB.

The lay out and installation of the centerline sheetpile wall between Cells 31 and 32 was completed. Also, the downstream cutoff wall was installed in Cell 32. Once Cell 32 was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe continued.

Other activities during the fourth week of June included the removal of the site security fencing along the Dwight Street access road. The fence was removed for the start of the GE residential floodplain property remedial activities.

Invasive plant spraying was performed on Parcels I8-4-201/202 and I8-4-4.

In addition, the restoration on staging area on Parcel I8-4-201/202 continued. The remaining airport mix/dense grade material and geotexile located between the security fence and the river was removed and the area was prepared to be seeded. The airport mix/dense grade material and geotexile were transported to the 64E stockpile management area. The area between the fence and Deming Street was restored as follows. The dense grade/airport mix was removed and stockpiled. Then, the underlying geotextile was removed. Lastly, the dense grade/airport mix was spread out and graded to allow the area to be used for parking. These activities were coordinated with the owner of these parcels.

Also, the removal of the riverbed access ramp leading into Cell 13 was initiated. The access ramp material was transported to the Lyman Street staging area for potential re-use.

During the last week of June, backfilling activities in Cell 29 continued in accordance with the backfill configurations described above. The surveyors monitored the backfilling activities in Cell 29 to ensure appropriate design backfill grades were achieved. Cell 32 dewatering activities continued.

Also, restoration of Parcels I8-4-201/202 was completed by hand-seeding and mulching the area between the fence and the area previously hydroseeded.

Removal of the airport mix/dense grade material and the underlying geotextile on Parcel I8-24-1 in the area southwest of the access road was initiated. The material was transported to the Area 64E stockpile management area.

Trees and shrubs were planted on the river banks of Cells 12 and 12A in the area downstream of the temporary dam and upstream of the ramp into Cell 13.

The remainder of the access ramp leading into Cell 13 was removed and transported to the Lyman Street staging area. The riverbank was restored with riprap on the lower bank and topsoil, herbaceous seed and erosion control fabric on the upper bank. Trees and shrubs will be planted in this area in the fall.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe continued.

During the month of June, the WTS operations continued. The WTS treated water from Cells 27, 29 and 32. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on June 14, 2005. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of June. Surface water sampling for total suspended solids (TSS) and PCBs was performed on June 02, 2005 and June 15, 2005. The monthly PCB air-monitoring event was performed on June 04, 2005. PCB wipe samples were collected on decontaminated equipment. PCB wipe samples were also collected on the 54-inch HDPE Pipe. On June 06, 2005, June 21, 2005 and June 22, 2005, seven eight-point composite post excavation off-site disposal characterization samples were collected from the riverbed and riverbank materials excavated from Cells 27 and 29 (stockpiled in Area 64D, Area 64C and Building 65). In addition, topsoil sample was collected on June 01, 2005 and a filter material type III sample was collected on June 22, 2005.

Geotechnical samples were collected for topsoil and filter material type III. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The transfer of TSCA materials from the Area 64A stockpile management areas to the Building 71 OPCA was performed on June 27, 2005. (See Table 3 for a summary of material transported to the OPCAs during the month of June 2005 and Table 4 for a summary of material transported to the OPCAs for the project through June 2005.)

The non-TSCA materials from the Area 64D, Area 64B, Area 64C and Building 65 stockpile management areas were transported to the Seneca Meadows Landfill, Waterloo, N.Y. from June 03, 2005 to June 24, 2005. (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of June 2005).

Vibration monitoring activities were completed in Phase 3B on structures located within 200-foot radius of the activities associated with sheetpile installation. Also, sound/noise monitoring was completed during the sheetpile installation activities.

Stockpile management area activities continued throughout the month of June. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68.

Traffic control was conducted on Lyman Street, Elm Street, Deming Street, Appleton Avenue and Pomeroy Avenue during the month of June.

3. Sampling/test results received

Table 6 contains a summary of the PCB samples collected for the water treatment system sampling program on June 14, 2005. The results of the daily particulate air monitoring program are summarized in Table 7. Results for the daily noise monitoring are provided in Table 8. Table 9 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on June 02, 2005 and June 15, 2005 are presented in Table 10. Summary of the PCB air sampling conducted on June 04, 2005 are provided in Table 11. Table 12 contains data associated with PCB wipe samples collected on decontaminated equipment. Sample results associated with the 54-inch HDPE Pipe wipe sampling are presented in Table 13. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cells 27 and 29 (stockpiled in Area 64D, Area 64C and Building 65) collected on June 06, 2005, June 21, 2005 and June 22, 2005 are summarized in Table 14. The results for the topsoil sample collected on June 01, 2005 and a filter material type III sample collected on June 22, 2005 are not yet available.

4. Diagrams associated with the tasks performed

Figure 1 (2 maps) includes the layout of all excavation cells, the temporary dam, water monitoring locations, air sampling locations, vibration monitoring locations, access road locations, excavation load-out locations, staging area locations, fence line location, and the new and the old water treatment system pad locations.

5. Reports received and prepared

Weston received a vibration monitoring summary reports for the months of April and May 2005 from Vibra-Tech, Inc. During this period, six seismographs were set up in Phase 3B to monitor structures on several properties within a 200-foot radius of the sheetpile installation activities. The following properties were monitored: Parcels I7-2-27; I7-2-26; I7-2-25; I7-2-24; I7-2-23; I7-2-22; I7-2-21; I7-3-6; I7-3-5; I7-3-4; I7-3-3; I7-3-2; and I7-99-000. All units were set up to

collect data on the continuous seismic mode. Activities occurring near the monitoring locations during this period included normal background activities, the installation of sheetpile walls, and general construction activities. All of the ground vibrations measured were less than the action level in the project specifications of 1.0 PPV (for structures with concrete foundations) except for one exceedance on May 5, 2005 on Parcel I7-2-21. The exceedance occurred during a one-minute increment that was recorded at 12:30AM. Therefore, the exceedance was not related to construction activities.

During the month of June, vibration monitoring activities were performed on the following properties: Parcels I7-2-21; I7-3-1; I7-3-2; I7-3-3; I7-3-4; I7-3-5; I7-2-1; I7-2-2; I7-1-5; I7-1-69; and I7-99-000, however the report have not yet been received.

On June 6, 2005, Weston issued a technical memorandum to the USACE and EPA titled, *1.5 Mile Removal Action – Cleaning and sampling of 54-inch diameter HDPE pipe prior to offsite recycling*. This memorandum discussed the status of the pipe and the proposed decontamination and verification sampling. There are 142 pieces of pipe that range from 30 to 50 feet in length. Prior to commencement of the decontamination process, approximately 30 pieces of pipe will be set aside for future use in the completion of upcoming portions of the 1.5 Mile Reach Removal Action. Therefore it is assumed that about 110 of the pipe sections will be decontaminated. Each pipe will be power washed/steam cleaned on the outside surface of each pipe section for 30 minutes. The pipe sections will be segregated into batches of 5 sections. Each batch will be decontaminated and kept together after cleaning, and a wipe sample will be collected from each pipe section. A composite sample from the 5 wipe samples will be made and will represent the 5 pipe sections. The memorandum is available upon request.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in July 2005

- Initiate and complete excavation and backfilling activities in Cell 32.
- Remove the upstream and downstream sheetpile cutoff walls for Cell 32 and the upstream cutoff wall for Cell 29.
- Complete the installation of the upstream and downstream sheetpile cutoff walls for Cell 30.
- Initiate excavation activities in Cell 30.

- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64.
- Continue to transfer non-TSCA materials from the stockpile management areas to approved off-site facility.
- Continue to transfer TSCA materials to the OPCAs.
- Continue the daily air, noise and turbidity monitoring.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed).
- Continue vibration monitoring activities in Phase 3B.

8. ATTACHMENTS TO THIS REPORT

Table 1. Quantity of Bank and Sediment Material Excavated during the Month of June

Table 2. Quantity of Bank and Sediment Material Excavated to Date

Table 3. Quantity of Material Transferred to OPCAs during the Month of June

Table 4. Quantity of Material Transferred to OPCAs to Date

Table 5. Quantity of non-TSCA Material Transferred to Seneca Meadows Landfill, Waterloo, N.Y. during the month of June

Table 6. NPDES PCB Sampling Results for Water Treatment System

Table 7. Daily Air Monitoring Results

Table 8. Daily Noise Monitoring Results

Table 9. Daily Water Column Turbidity Monitoring Results

Table 10. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 11. PCB Air Sampling Results

Table 12. Equipment Confirmatory Wipe Sample Results

Table 13. 54-inch HDPE Pipe Wipe Sample Results

Table 14. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

Figure 1- 1.5 Mile Removal Action Site Map (2 maps)

Photodocumentation

Table 1 - Quantity of Bank and Sediment Material Generated During the Month of June
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**
Bank Soil and Sediment				
6/1/2005	Cell 27	130	0	0
6/2/2005	Cell 27	330	70	0
6/3/2005	Cell 27	240	0	0
6/14/2005	Cell 29	410	110	0
6/15/2005	Cell 29	270	140	0
6/16/2005	Cell 29	430	0	0
6/17/2005	Cell 29	250	0	0
6/20/2005	Cell 29	50	30	0
	Monthly total from bank soil and sediment	**2,110**	**350**	**0**

Note:
All quantities are in compacted or “in-place” cubic yards. All loads are estimated at 10cy per truck.

Table 2 - Quantity of Bank and Sediment Material Excavated to Date
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**	**Total**
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/29/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
05/25/04 to 07/28/04	Cell 16&17	4,409	822	3,191	8,422
07/30/04 to 09/17/04	Cell 18&19	3,741	65	685	4,491
09/28/04 to 10/25/04	Cell 20	948	591	196	1,735
09/28/04 to 10/25/04	Cell 21	525	569	0	1,094
09/28/04 to 10/25/04	Cell 22	1,170	686	0	1,856
11/04/04 to 12/01/04	Cell 23^	1,725	189	0	1,914
11/04/04 to 12/02/05	Cell 24^	1,610	247	0	1,857
04/06/05 to 4/13/05	Cell 25^	858	369	0	1,227
04/12/05 to 04/19/05	Cell 25A^	419	127	0	546
04/27/05 to 05/04/05	Cell 26^	2,199	357	0	2,556
05/17/05 to 05/20/06	Cell 28	1,281	187	0	1,468
06/01/05 to 06/03/05	Cell 27	1,062	109	0	1,171
06/14/05 to 06/20/05	Cell 29	1,738	241	0	1,979
	Total	**48,885**	**10,445**	**6,949**	**66,279**

Note:
All quantities determined by pre- and post- excavation surveying.
^ - Excludes material removed from the "GE Floodplain Area"

Table 3 - Quantity of Material Transferred to OPCAs During the Month of June
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**# of truckloads**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Bank Soil and Sediment			
6/27/2005	14	0	154
Monthly totals	**14**	**0**	**154**

Note:
All quantities are in compacted or “in-place” cubic yards.
(1) Estimated at 11 cy per truck

Table 4 - Quantity of Material Transferred to OPCAs to Date
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	**Location**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77 (3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
05/12/04 to 05/27/04	Stockpile Management Area/Excavation Cells/Outfall Repair on Parcel I8-23-6	1,518 (3)	484 (3)
06/03/04 to 06/22/04	Stockpile Management Area	0	528 (3)
07/06/04 to 07/16/05	Stockpile Management Area	396 (3)	836 (3)
08/11/04 to 08/31/04	Stockpile Management Area	1,045 (3)	0
09/28/04 to 09/30/04	Stockpile Management Area	1,375 (3)	0
10/01/04 to 10/14/04	Stockpile Management Area	352 (3)	1,958 (3)
11/01/04 to 11/15/04	Stockpile Management Area	363 (3)	1,342 (3)
12/02/04 to 12/14/04	Stockpile Management Area	176 (3)	847 (3)
04/20/05 to 04/22/05	Stockpile Management Area *	0	482 (3)
05/05/05 to 05/23/05	Stockpile Management Area **	0	1,067 (3)
6/27/05	Stockpile Management Area	0	154 (3)
	Project Totals	**28,238**	**14,856**

Notes:
Pursuant to the Consent Decree, EPA is allowed to dispose of up to 50,000cy of material into GE OPCAs.
Pursuant to August 2004 agreement between EPA and GE, EPA is allowed to dispose an additional 750cy of material into the GE OPCAs to account for a portion of the volume of material generated as part of the removal of the gabion baskets and reno mattresses along Deming Street.
* - Excludes the 104 truck loads (1,168 cy) of the "GE Floodplain Area".
** - Excludes the 29 (319 cy) truck loads of the "GE Floodplain Area".
All quantities are in compacted or “in-place” cubic yards.
(1) Estimated at 14cy per truck, loaded with excavator.
(2) Estimated at 11cy per truck due to loading out frozen material.
(3) Estimated at 11cy per truck, loaded with front end loader.
(4) Estimated at 8cy per truck

Table 5 - Quantity of non-TSCA Material Transported to Seneca Meadows Landfill, Waterloo, N.Y.
During the Month of June
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are reported in tons)

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
06/03/05	0310SM	Cell 28 Area 64D Front	31.15
06/03/05	0311SM	Cell 28 Area 64D Front	28.44
06/03/05	0312SM	Cell 28 Area 64D Front	28.70
06/03/05	0313SM	Cell 28 Area 64D Front	30.09
06/03/05	0314SM	Cell 28 Area 64D Front	30.80
06/03/05	0315SM	Cell 28 Area 64D Front	31.15
06/03/05	0316SM	Cell 28 Area 64D Front	33.33
06/03/05	0317SM	Cell 28 Area 64D Front	31.53
06/03/05	0318SM	Cell 28 Area 64D Front	32.11
06/03/05	0319SM	Cell 28 Area 64D Front	33.16
06/03/05	0320SM	Cell 28 Area 64D Front	31.95
06/03/05	0321SM	Cell 28 Area 64D Front	30.88
06/06/05	0322SM	Cell 28 Area 64D Front	31.43
06/06/05	0323SM	Cell 28 Area 64D Front	31.80
06/06/05	0324SM	Cell 28 Area 64D Back	31.15
06/06/05	0325SM	Cell 28 Area 64D Back	29.61
06/06/05	0326SM	Cell 28 Area 64D Back	30.82
06/06/05	0327SM	Cell 28 Area 64D Back	30.93
06/06/05	0328SM	Cell 28 Area 64D Back	29.86
06/06/05	0329SM	Cell 28 Area 64D Back	31.30
06/06/05	0330SM	Cell 28 Area 64D Back	30.65
06/06/05	0331SM	Cell 28 Area 64D Back	31.92
06/06/05	0332SM	Cell 28 Area 64D Back	30.49
06/06/05	0333SM	Cell 28 Area 64D Back	32.44
06/07/05	0334SM	Cell 28 Area 64D Back	29.29
06/07/05	0335SM	Cell 28 Area 64D Back	30.67
06/07/05	0336SM	Cell 28 Area 64D Back	30.37
06/07/05	0337SM	Cell 28 Area 64D Back	28.98
06/07/05	0338SM	Cell 28 Area 64D Back	31.51
06/07/05	0339SM	Cell 28 Area 64D Back	32.61
06/07/05	0340SM	Cell 28 Area 64D Back	30.73
06/07/05	0341SM	Cell 28 Area 64D Back	29.83
06/07/05	0342SM	Cell 28 Area 64D Back	32.00
06/07/05	0343SM	Cell 28 Area 64D Back	32.17
06/07/05	0344SM	Cell 28 Area 64D Back	33.48

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
06/07/05	0345SM	Cell 28 Area 64D Back	31.99
06/08/05	0346SM	Cell 28 Area 64D Back	32.86
06/08/05	0347SM	Cell 28 Area 64D Back	32.15
06/08/05	0348SM	Cell 28 Area 64D Back	31.01
06/08/05	0349SM	Cell 28 Area 64D Back	30.73
06/08/05	0350SM	Cell 28 Area 64D Back	30.41
06/08/05	0351SM	Insitu Cell 27, Area 64B	30.07
06/08/05	0352SM	Insitu Cell 27, Area 64B	32.14
06/08/05	0353SM	Insitu Cell 27, Area 64B	32.37
06/08/05	0354SM	Insitu Cell 27, Area 64B	32.55
06/08/05	0355SM	Insitu Cell 27, Area 64B	30.16
06/08/05	0356SM	Insitu Cell 27, Area 64B	32.67
06/08/05	0357SM	Insitu Cell 27, Area 64B	32.81
06/09/05	0358SM	Insitu Cell 27, Area 64B	31.04
06/09/05	0359SM	Insitu Cell 27, Area 64B	30.29
06/09/05	0360SM	Insitu Cell 27, Area 64B	31.94
06/09/05	0361SM	Insitu Cell 27, Area 64B	28.58
06/09/05	0362SM	Insitu Cell 27, Area 64B	29.83
06/09/05	0363SM	Insitu Cell 27, Area 64B	30.32
06/09/05	0364SM	Insitu Cell 27, Area 64B	31.00
06/09/05	0365SM	Insitu Cell 27, Area 64B	29.84
06/09/05	0366SM	Insitu Cell 27, Area 64B	30.54
06/09/05	0367SM	Insitu Cell 27, Area 64B	31.75
06/21/05	0368SM	Cell 27 Area 64C	34.38
06/21/05	0369SM	Cell 27 Area 64C	30.94
06/21/05	0370SM	Cell 27 Area 64C	31.66
06/21/05	0371SM	Cell 27 Area 64C	29.43
06/21/05	0372SM	Cell 27 Area 64C	30.58
06/21/05	0373SM	Cell 27 Area 64C	31.80
06/21/05	0374SM	Cell 27 Area 64C	29.36
06/21/05	0375SM	Cell 27 Area 64C	31.02
06/21/05	0376SM	Cell 27 Area 64C	31.44
06/21/05	0377SM	Cell 27 Area 64C	32.39
06/22/05	0378SM	Cell 27 Area 64C	30.62
06/22/05	0379SM	Cell 27 Area 64C	30.66
06/22/05	0380SM	Cell 27 Area 64C	30.22
06/22/05	0381SM	Cell 27 Area 64C	31.02
06/22/05	0382SM	Cell 27 Area 64C	30.71
06/22/05	0383SM	Cell 27 Area 64C	29.24
06/22/05	0384SM	Cell 27 Area 64C	31.21
06/22/05	0385SM	Cell 27 Area 64C	30.33
06/22/05	0386SM	Cell 27 Area 64C	31.15
06/22/05	0387SM	Cell 27 Area 64C	31.91
06/23/05	0388SM	Insitu Cell 29, Area 64B north	29.99

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
06/23/05	0389SM	Insitu Cell 29, Area 64B north	31.15
06/23/05	0390SM	Insitu Cell 29, Area 64B north	32.35
06/23/05	0391SM	Insitu Cell 29, Area 64B north	30.93
06/23/05	0392SM	Insitu Cell 29, Area 64B north	31.58
06/23/05	0393SM	Insitu Cell 29, Area 64B north	31.96
06/23/05	0394SM	Insitu Cell 29, Area 64B north	31.94
06/23/05	0395SM	Insitu Cell 29, Area 64B north	29.68
06/23/05	0396SM	Insitu Cell 29, Area 64B north	31.01
06/23/05	0397SM	Insitu Cell 29, Area 64B north	32.37
06/24/05	0398SM	Insitu Cell 29, Area 64B north	27.39
06/24/05	0399SM	Insitu Cell 29, Area 64B north	28.28
06/24/05	0400SM	Insitu Cell 29, Area 64B north	27.40
06/24/05	0401SM	Insitu Cell 29, Area 64B north	29.02
06/24/05	0402SM	Insitu Cell 29, Area 64B north	29.91
06/24/05	0403SM	Insitu Cell 29, Area 64B north	32.10
06/24/05	0404SM	Insitu Cell 29, Building 65	31.67
		Total of Material Disposed	**2,943.18**

(1) Net weights established at the disposal facility

Table 6- NPDES Sampling Results for Water Treatment System
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-5U14	Influent	14-Jun-05	ND(0.26)	ND(0.26)	**1.1**	**4.0**	**5.1**
H2-WW000002-0-5U14	Intermediate	14-Jun-05	ND(0.014)	ND(0.014)	ND(0.014)	**0.044**	**0.044**
H2-WW000003-0-5U14	Effluent	14-Jun-05	ND(0.014)	ND(0.014)	ND(0.014)	**0.018**	**0.018**
Action Level	**Effluent**		**0.50**	**0.50**	**0.50**	**0.50**	**0.50**

Notes:
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
Intermediate - Sample collected between carbon units which are being operated in series.
5/05/05 - weekly sampling

Table 7 - Daily Air Monitoring Results
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
	Upwind	--	--
	Downwind	0.000	5
6/1/2005	Background	--	--
	Upwind	0.046	6
	Downwind	--	--
6/2/2005	Background	0.000	6
	Upwind	0.053	21
	Downwind	0.000	29
6/3/2005	Background	--	--
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/4/2005	Background	Weekend	Weekend
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/5/2005	Background	Weekend	Weekend
	Upwind	0.057	4
	Downwind	0.058	4
6/6/2005	Background	0.001	4
	Upwind	0.016	7
	Downwind	0.014	7
6/7/2005	Background	0.000	7
	Upwind	0.012	6
	Downwind	0.006	6
6/8/2005	Background	0.000	7
	Upwind	##	##
	Downwind	##	##
6/9/2005	Background	##	##
	Upwind	##	##
	Downwind	##	##
6/10/2005	Background	##	##
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/11/2005	Background	Weekend	Weekend
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/12/2005	Background	Weekend	Weekend
	Upwind	0.053	8
	Downwind	0.063	8
6/13/2005	Background	0.004	8
	Upwind	N/A	N/A
	Downwind	N/A	N/A
6/14/2005	Background	N/A	N/A
	Upwind	0.027	8
	Downwind	0.016	8
6/15/2005	Background	0.004	8
	Upwind	N/A	N/A
	Downwind	N/A	N/A
6/16/2005	Background	N/A	N/A

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
	Upwind	N/A	N/A
	Downwind	N/A	N/A
6/17/2005	Background	N/A	N/A
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/18/2005	Background	Weekend	Weekend
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/19/2005	Background	Weekend	Weekend
	Upwind	0.006	7
	Downwind	0.012	7
6/20/2005	Background	0.004	8
	Upwind	--	
	Downwind	0.030	7
6/21/2005	Background	0.000	7
	Upwind	N/A	N/A
	Downwind	N/A	N/A
6/22/2005	Background	N/A	N/A
	Upwind		
	Downwind		
6/23/2005	Background		
	Upwind	0.014	4
	Downwind	0.016	4
6/24/2005	Background	0.000	4
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/25/2005	Background	Weekend	Weekend
	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
6/26/2005	Background	Weekend	Weekend
	Upwind	0.087	7
	Downwind	0.101	7
6/27/2005	Background	0.015	6
	Upwind	N/A	N/A
	Downwind	N/A	N/A
6/28/2005	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
6/29/2005	Background	N/A	N/A
	Upstream	N/A	N/A
	Downstream	N/A	N/A
6/30/2005	Background	N/A	N/A
notification level		**0.120**	
action level		**0.150**	

Notes:
N/A - Not available due to precipitation forecast > 50%
--- - No reading due to technical difficulties with monitoring equipment
- not deployed; no intrusive work performed

Table 8 - Daily Noise Monitoring Results
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date	Noise (dBA)			Average Period (Hours:Min)
	High	Low	Average	
6/1/2005	102.1	51.8	70.1	7.92
6/2/2005	98.8	49.6	71.6	6.875
6/3/2005	95	47.6	66	8
6/4/2005	weekend	weekend	weekend	weekend
6/5/2005	weekend	weekend	weekend	weekend
6/6/2005	N/A	N/A	N/A	N/A
6/7/2005	93.8	52.9	72.8	7.7
6/8/2005	--	--	--	--
6/9/2005	xx	xx	xx	xx
6/10/2005	84.3	37.8	57.7	10.25
6/11/2005	weekend	weekend	weekend	weekend
6/12/2005	weekend	weekend	weekend	weekend
6/13/2005	--	--	--	--
6/14/2005	N/A	N/A	N/A	N/A
6/15/2005	N/A	N/A	N/A	N/A
6/16/2005	N/A	N/A	N/A	N/A
6/17/2005	N/A	N/A	N/A	N/A
6/18/2005	weekend	weekend	weekend	weekend
6/19/2005	weekend	weekend	weekend	weekend
6/20/2005	N/A	39	67.2	7.54
6/21/2005	85.6			
6/22/2005	N/A	N/A	N/A	N/A
6/23/2005	xx	xx	xx	xx
6/24/2005	xx	xx	xx	xx
6/25/2005	weekend	weekend	weekend	weekend
6/26/2005	weekend	weekend	weekend	weekend
6/27/2005	xx	xx	xx	xx
6/28/2005	N/A	N/A	N/A	N/A
6/29/2005	N/A	N/A	N/A	N/A
6/30/2005	N/A	N/A	N/A	N/A

Notes:
dBA - Decibel
N/A - Not deployed due to weather
--- - No readings due to technical errors
- Battery Died during sampling
** - No data due to Data Download
xx - No data due to minimal site activity/piledriving

Table 9 - Daily Water Column Turbidity Monitoring Results
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Average	High	Low	
6/1/2005	92	Downstream of Lyman Street Bridge	84.6	1047.4	1.4	15.7
		Downstream of Pomeroy Avenue Bridge	6.1	10.7	2.4	18.25
6/2/2005	77	Downstream of Lyman Street Bridge	6.4	20.9	3.0	17.5
		Downstream of Pomeroy Avenue Bridge	3.9	5.8	2.6	17.58
6/3/2005	65	Downstream of Lyman Street Bridge	2.5	8.7	1.4	18.3
		Downstream of Pomeroy Avenue Bridge	2.5	6.1	1.7	18.5
6/4/2005	60	Downstream of Lyman Street Bridge	2.5	4.1	1.9	19.1
		Downstream of Pomeroy Avenue Bridge	1.8	2.3	1.5	19.3
6/5/2005	80	Downstream of Lyman Street Bridge	4.5	6.1	3.6	20.04
		Downstream of Pomeroy Avenue Bridge	2.0	2.3	1.6	20.3
6/6/2005	74	Downstream of Lyman Street Bridge	43.9	334.6	6.0	20.56
		Downstream of Pomeroy Avenue Bridge	8.2	34.6	1.5	20.8
6/7/2005	60	Downstream of Lyman Street Bridge	1.8	2.8	1.1	20.88
		Downstream of Pomeroy Avenue Bridge	2.1	5.1	0.9	21.1
6/8/2005	42	Downstream of Lyman Street Bridge	1.1	1.3	0.9	21.26
		Downstream of Pomeroy Avenue Bridge	1.9	3.5	1.1	21.6
6/9/2005	42	Downstream of Lyman Street Bridge	1.1	1.3	0.7	21.63
		Downstream of Pomeroy Avenue Bridge	0.7	1.4	0.1	24.0
6/10/2005	77	Downstream of Lyman Street Bridge	1.1	1.5	0.9	26.87
		Downstream of Pomeroy Avenue Bridge	7.4	54.5	0.9	23.7
6/11/2005	77	Downstream of Lyman Street Bridge	0.6	0.8	0.4	26.06
		Downstream of Pomeroy Avenue Bridge	1.1	1.6	0.9	23.8
6/12/2005	74	Downstream of Lyman Street Bridge	0.4	0.6	0.2	21.11
		Downstream of Pomeroy Avenue Bridge	1.0	1.4	0.6	23.8
6/13/2005	31	Downstream of Lyman Street Bridge	0.9	1.2	0.3	22.75
		Downstream of Pomeroy Avenue Bridge	1.8	12.4	0.0	24.3
6/14/2005	40	Downstream of Lyman Street Bridge	6.4	12.5	2.7	23.11
		Downstream of Pomeroy Avenue Bridge	27.5	64.1	13.3	23.27
6/15/2005	37	Downstream of Lyman Street Bridge	2.3	3.2	1.6	20.50
		Downstream of Pomeroy Avenue Bridge	6.1	13.6	3.5	20.50
6/16/2005	39	Downstream of Lyman Street Bridge	1.2	1.5	0.8	17.20
		Downstream of Pomeroy Avenue Bridge	8.9	16.2	7.5	17.29
6/17/2005	111	Downstream of Lyman Street Bridge	3.6	7.1	1.8	16.57
		Downstream of Pomeroy Avenue Bridge	135.9	1043.2	0.1	16.87
6/18/2005	114	Downstream of Lyman Street Bridge	2.4	3.4	1.5	16.92
		Downstream of Pomeroy Avenue Bridge	24.6	43.0	17.5	17.04
6/19/2005	82	Downstream of Lyman Street Bridge	1.1	1.3	0.8	17.87
		Downstream of Pomeroy Avenue Bridge	71.3	176.8	1.0	18.08
6/20/2005	58	Downstream of Lyman Street Bridge	0.9	1.3	0.7	17.29
		Downstream of Pomeroy Avenue Bridge	508.1	1095.4	25.0	19.62
6/21/2005	47	Downstream of Lyman Street Bridge	0.7	1.0	0.4	20.90
		Downstream of Pomeroy Avenue Bridge	297.0	1012.9	0.7	20.57
6/22/2005	41	Downstream of Lyman Street Bridge	0.9	1.9	0.4	19.1
		Downstream of Pomeroy Avenue Bridge	24.6	33.1	17.5	20.04
6/23/2005	31	Downstream of Lyman Street Bridge	0.6	0.9	0.4	19.7
		Downstream of Pomeroy Avenue Bridge	33.4	52.7	15.3	19.28

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (^{o}C)
			Average	High	Low	
6/24/2005	28	Downstream of Lyman Street Bridge	0.9	1.3	0.5	18.4
		Downstream of Pomeroy Avenue Bridge	237.0	1056.7	1.1	20.1
6/25/2005	27	Downstream of Lyman Street Bridge	238.1	881.6	6.6	28.16
		Downstream of Pomeroy Avenue Bridge	145.3	1117.4	1.2	21.9
6/26/2005	26	Downstream of Lyman Street Bridge	10.5	49.1	5.5	30.35
		Downstream of Pomeroy Avenue Bridge	27.2	38.1	16.9	23.6
6/27/2005	25	Downstream of Lyman Street Bridge	5.9	8.0	4.3	31.6
		Downstream of Pomeroy Avenue Bridge	8.0	10.3	5.1	24.5
6/28/2005	40	Downstream of Lyman Street Bridge	7.5	23.8	0.2	21.1
		Downstream of Pomeroy Avenue Bridge	14.3	34.2	2.1	23.3
6/29/2005	109	Downstream of Lyman Street Bridge	10.8	22.3	2.1	21.57
		Downstream of Pomeroy Avenue Bridge	47.8	133.7	7.2	21.66
6/30/2005	234	Downstream of Lyman Street Bridge	4.3	6.4	2.1	21.96
		Downstream of Pomeroy Avenue Bridge	17.9	27.8	11.6	22.11

Notes:

Turbidity Action Level - Average Downstream (Pomeroy Avenue)≥ Average Downstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe.

Exceedences between 6/17 and 6/21 were determined to be the result of silt in the stilling well at Fred Garner Park. On 6/21 the silt in the stilling well was removed.

Exceedence on 6/24 and elevated readings on 6/25 could not be explained. Readings were elevated before work was initiated, and pulsed to elevated readings during the day. When not elevated, the readings are consistent with expected values.

Table 10 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (^{o}C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	06/02/05	77	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5U02	NS	NS	NS
Downstream of Lyman St. Bridge	06/02/05	77	20.9	3.0	6.4	17.5	NS	NS	H2-SW000055-0-5U02	ND(0.013)	ND(0.013)	**2.2**
Downstream of Pomeroy Ave. Bridge	06/02/05	77	5.8	2.6	3.9	17.58	67.0	67.6	H2-SW000052-0-5U02	**0.073**	ND(0.013)	**3.1**
Downstream of Pomeroy Ave. Bridge (duplicate)	06/02/05	77	5.8	2.6	3.9	17.58	67.0	67.6	H2-SW000052-1-5U02	NS	**0.013**	NS
Upstream of Newell St. Bridge	06/15/05	37	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5U15	**0.017**	ND(0.013)	**5.7**
Downstream of Lyman St. Bridge	06/15/05	37	3.2	1.6	2.3	20.5	NS	NS	H2-SW000055-0-5U15	**0.052**	ND(0.013)	**5.8**
Downstream of Pomeroy Ave. Bridge	06/15/05	37	13.6	3.5	6.1	20.5	45.1	43.41	H2-SW000052-0-5U15	**0.14**	**0.017**	**3.7**

Notes:
PCB Action Level - Downstream (Pomeroy Avenue) $\geq$ Downstream (Lyman Street) + 5 ug/L
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
cfs - Cubic feet per second
ntu - nephelometric turbidity units
NS - Not Sampled
Temperature measured YSI 600 oms system.
Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.
Water column samples were collected as 4 grab composite samples.
Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.

Table 11 - PCB Air Sampling Results
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/m^3)

Sample ID	Location (1)	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-AR000007-0-5U04	background	04-Jun-05	ND(0.00279)	ND(0.00279)	ND(0.00279)	ND(0.00279)	ND(0.00279)
H2-AR000042-0-5U04	AR000042	04-Jun-05	ND(0.00265)	ND(0.00265)	ND(0.00265)	ND(0.00265)	ND(0.00265)
H2-AR000043-0-5U04	AR000043	04-Jun-05	ND(0.00284)	ND(0.00284)	ND(0.00284)	ND(0.00284)	ND(0.00284)
H2-AR000045-0-5U04	AR000045	04-Jun-05	ND(0.00282)	ND(0.00282)	ND(0.00282)	ND(0.00282)	ND(0.00282)
H2-AR000047-0-5U04	AR000047	04-Jun-05	ND(0.00277)	ND(0.00277)	ND(0.00277)	ND(0.00277)	ND(0.00277)
H2-AR000047-1-5U04 (duplicate)	AR000047	04-Jun-05	ND(0.00274)	ND(0.00274)	ND(0.00274)	ND(0.00274)	ND(0.00274)

Notes:
Notification Level: 0.05μg/m^3
Action Level: 0.1μg/m^3
1- See Figure 1 for locations
NR - Not yet reported

Table 13 - 54-inch HDPE Pipe Wipe Samples
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000219-0-5U13	13-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000220-0-5U13	13-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000221-0-5U13	13-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000222-0-5U22	22-Jun-05	ND(0.25)	**0.05**	**0.10**	**0.15**
H2-XI000226-0-5U24	24-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000227-0-5U24	24-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000228-0-5U24	24-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000225-0-5U29	29-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000229-0-5U29	29-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000230-0-5U29	29-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000231-0-5U30	30-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000232-0-5U30	30-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000233-0-5U30	30-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)

Notes:
ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 12 - Equipment Confirmatory Wipe Samples
June 2005 Monthly Report

GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000223-0-5U23	23-Jun-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000224-0-5U23	23-Jun-05	ND(0.25)	ND(0.25)	**0.53**	**0.53**

Notes:
ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 14 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
June 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000260-0-5U06	H2-OT000261-0-5U06	H2-OT000262-0-5U21	H2-OT000263-0-5U21
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization (2)	stockpile material characterization (1)
Date Collected	6/6/2005	6/6/2005	6/21/2005	6/21/2005
Stockpile Location	Area 64C	Area 64C	Area 64D	Area 64D
Analyte				
PCBS				
AROCLOR-1254	**5.2**	**2.5**	**1.0**	**7.7**
AROCLOR-1260	**19.0**	**14.0**	**6.0**	**61.0**
PCB, TOTAL	**24.2**	**16.5**	**7.0**	**69.0**
INORGANICS				
PAINT FILTER LIQUIDS **(ml)**	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS **(%)**	**84.9**	**90.9**	**91.1**	**92.8**

Notes:
Only detected constituents are summarized
(1) Material represented by this sample is classified as TSCA material. Material to be transported to GE's Building 71 OPCA.
(2) As a precaution, the material characterized by these two samples will be completely segragated from the material in Area 64D characterized by the 69ppm PCB result. The two new stockpiles will be subsequantly resampled.

Table 14 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
June 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000264-0-5U21	H2-OT000265-0-5U21	H2-OT000266-0-5U22
Sample type	stockpile material characterization (2)	stockpile material characterization	stockpile material characterization
Date Collected	6/21/2005	6/21/2005	6/22/2005
Stockpile Location	Area 64D	Area 64C	Building 65
Analyte			
PCBS			
AROCLOR-1254	**2.4**	ND	ND
AROCLOR-1260	**14.0**	**0.65**	**1.4**
PCB, TOTAL	**16.0**	**0.65**	**1.4**
INORGANICS			
PAINT FILTER LIQUIDS **(ml)**	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS **(%)**	**93.2**	**87.4**	**88.8**

Notes:
Only detected constituents are summarized

(1) Material represented by this sample is classified as TSCA material. Material to be transported to GE's Building 71 OPCA.

(2) As a precaution, the material characterized by these two samples will be completely segragated from the material in Area 64D characterized by the 69ppm PCB result. The two new stockpiles will be subsequantly resampled.

Photograph 1 – Tree Planting Activities on Parcel I9-5-13

Photograph 2 – Elm Street Dissipater Restoration Activities- Placement of Re-bar

Photograph 3 – Elm Street Dissipater Restoration Activities- Installation of Grout

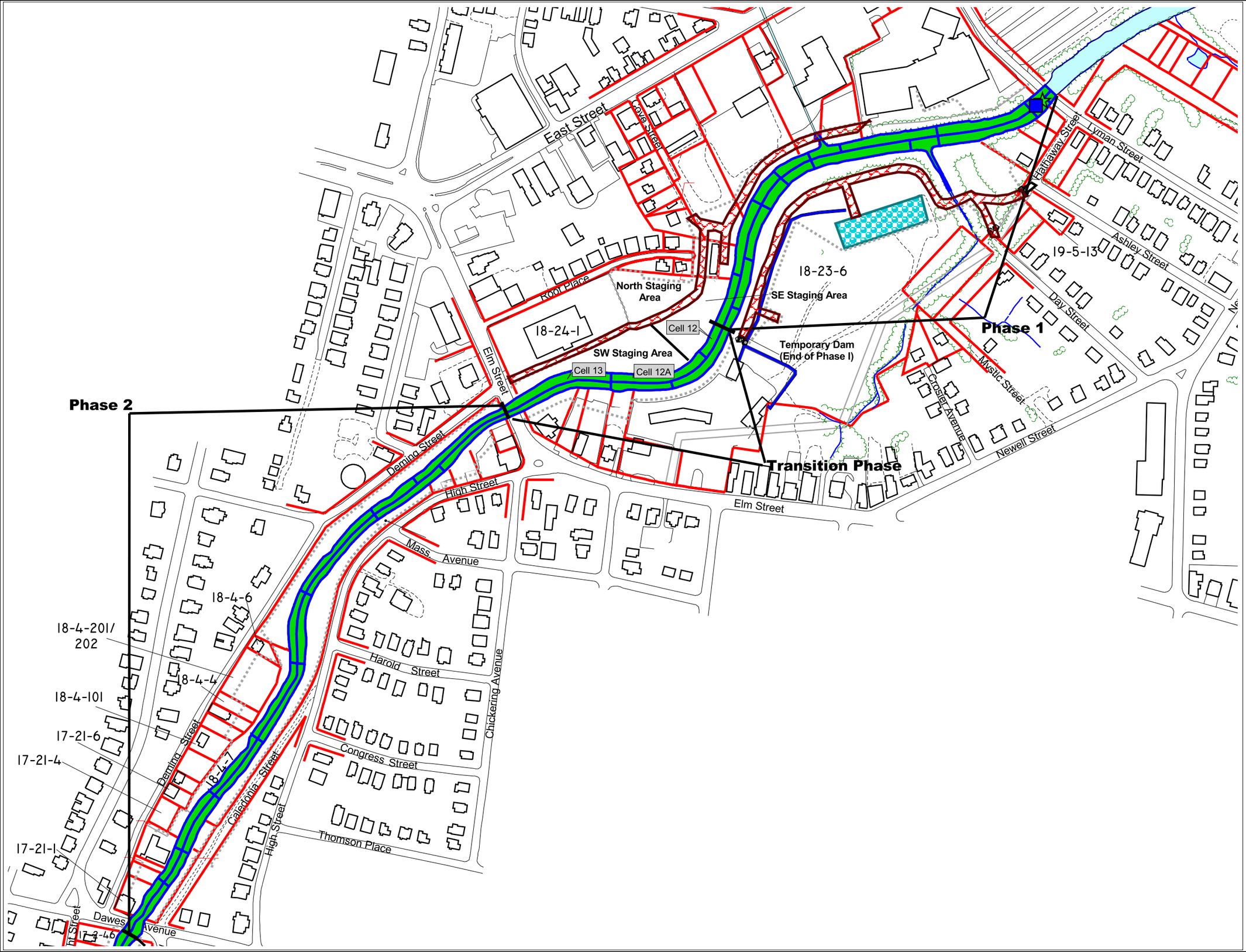
Photograph 4 – Tie-in of Downstream End of ACB to Riprap/River Bottom with Grout

Photograph 5 – Decontamination of the 54-inch HDPE River Diversion Pipe

Photograph 6 – Excavation Activities in Cell 27

Photograph 7 – Cell 27, Excavation Activities Completed

Photograph 8 – Backfilling Activities Complete in Cell 27



LEGEND

- Roads
- Surface Water
- Water Treatment Plant*
- Access Roads
- Asphalt Access Road
- Property Lines
- Loadout Area
- Deming Street Staging/Loadout Area
- Fence Line
- Work Completed
- Turbidity Monitoring Locations
- Water Monitoring Locations
- Buried Electric/Telephone Line*

*Note: As-built features were located using a real time GPS unit

N

Scale in Feet

325 0 325

WESTON SOLUTIONS SM

Figure 1
1.5 Mile Removal Action
Site Map (Map 1 of 2)
June 2005 Monthly Report

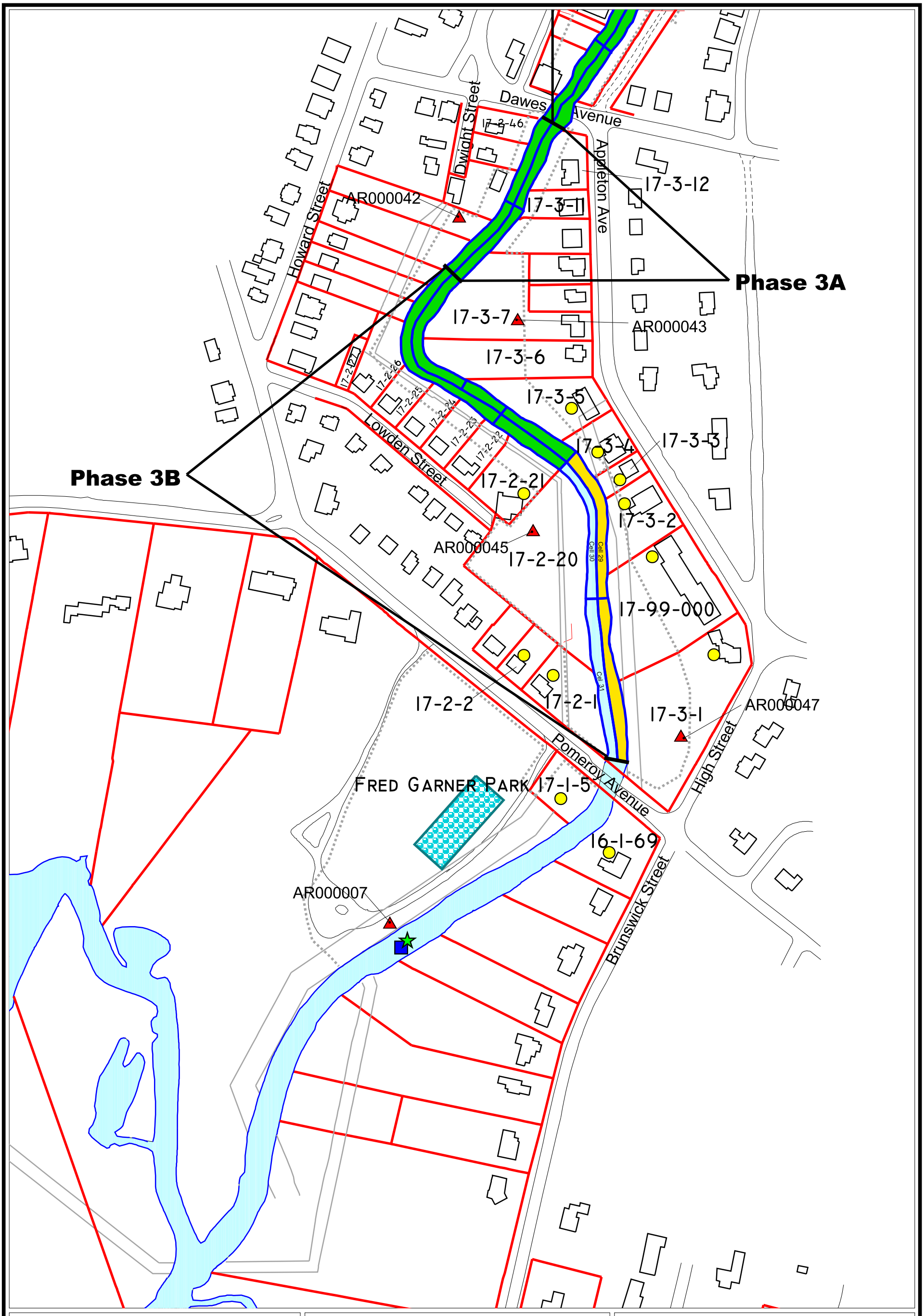


Figure 1
1.5 Mile Removal Action
Site Map (Map 2 of 2)
June 2005 Monthly Report